

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	267	425/107.ccls.	USPAT	OR	OFF	2006/06/22 14:15
S1	3	("4824354") or ("3732046") or ("3999925").PN.	USPAT; USOCR	OR	OFF	2006/06/22 14:15
S2	88	clothoid	USPAT; USOCR	OR	ON	2006/06/19 17:57
S3	5293	425/233,325,326.1,336,369,387.1, 388,392,396.ccls.	USPAT; USOCR	OR	ON	2006/06/19 18:05
S4	0	S2 and S3	USPAT; USOCR	OR	ON	2006/06/19 17:57
S5	102253	"425".clas.	USPAT; USOCR	OR	ON	2006/06/19 17:58
S6	0	S2 and S5	USPAT; USOCR	OR	ON	2006/06/19 17:58
S7	133637	"264".clas.	USPAT; USOCR	OR	ON	2006/06/19 17:58
S8	0	S2 and S7	USPAT; USOCR	OR	ON	2006/06/19 18:05
S9	21	cornu with spiral	USPAT	OR	ON	2006/06/20 16:57
S10	102257	"425".clas.	USPAT; USOCR	OR	ON	2006/06/20 16:57
S11	133653	"264".clas.	USPAT; USOCR	OR	ON	2006/06/20 16:57
S12	0	S9 and (S10 or S11)	USPAT	OR	ON	2006/06/20 16:57
S13	88	clothoid	USPAT; USOCR	OR	ON	2006/06/20 16:58
S14	18	helger.in.	USPAT	OR	OFF	2006/06/20 19:15
S15	57	helger\$.in.	USPAT	OR	OFF	2006/06/20 19:15
S16	102257	"425".clas.	USPAT; USOCR	OR	ON	2006/06/20 19:15
S17	133653	"264".clas.	USPAT; USOCR	OR	ON	2006/06/20 19:15
S18	0	(S16 or S17) and S15	USPAT	OR	OFF	2006/06/20 20:23
S19	3688	air adj spring	USPAT	OR	OFF	2006/06/20 20:24
S20	77840	compressed adj air	USPAT	OR	OFF	2006/06/20 20:24
S21	959	S19 and S20	USPAT	OR	OFF	2006/06/21 12:58
S22	7	S16 and S21	USPAT	OR	OFF	2006/06/20 20:35
S23	19167	spring.ti.	USPAT	OR	OFF	2006/06/20 20:27
S24	107	S21 and S23	USPAT	OR	OFF	2006/06/21 13:09
S25	8	S17 and S21	USPAT	OR	OFF	2006/06/20 20:32

## EAST Search History

S26	4	S25 not S22	USPAT	OR	OFF	2006/06/20 20:32
S27	88257	spring adj loaded	USPAT	OR	OFF	2006/06/20 20:35
S28	118	S21 and S27	USPAT	OR	OFF	2006/06/20 20:36
S29	56	S19 and S16	USPAT	OR	OFF	2006/06/20 20:36
S30	29	("3280430"   "3538209"   "3689610").PN. OR ("3996323").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/21 11:12
S31	341916	tension\$3	USPAT	OR	ON	2006/06/21 12:58
S32	13625	chain with S31	USPAT	OR	ON	2006/06/21 12:59
S33	3688	air adj spring	USPAT	OR	OFF	2006/06/21 12:59
S34	77840	compressed adj air	USPAT	OR	OFF	2006/06/21 12:59
S35	959	S33 and S34	USPAT	OR	OFF	2006/06/21 12:59
S36	16	S35 and S32	USPAT	OR	ON	2006/06/21 13:03
S37	0	S32 with S33	USPAT	OR	ON	2006/06/21 13:03
S38	773106	spring	USPAT	OR	ON	2006/06/21 13:10
S39	5293	425/233,325,326.1,336,369,387.1, 388,392,396.cccls.	USPAT; USOCR	OR	ON	2006/06/21 13:10
S40	545	S39 and S38	USPAT	OR	ON	2006/06/21 13:10
S41	955449	tube or pipe	USPAT	OR	ON	2006/06/21 13:11
S42	313	S40 and S41	USPAT	OR	ON	2006/06/21 13:11
S43	1129	mold adj block	USPAT	OR	ON	2006/06/21 13:12
S44	19	S42 and S43	USPAT	OR	ON	2006/06/21 13:12

## EAST Search History

S45	82	(US-3999925-\$ or US-7037098-\$ or US-7001171-\$ or US-6773253-\$ or US-6676881-\$ or US-6644951-\$ or US-6457965-\$ or US-6358034-\$ or US-6309205-\$ or US-6210617-\$ or US-6206670-\$ or US-6193496-\$ or US-6155813-\$ or US-6149421-\$ or US-6089851-\$ or US-6054089-\$ or US-4212618-\$ or US-5773044-\$ or US-5744091-\$ or US-5693347-\$ or US-5582849-\$ or US-5645871-\$ or US-5545369-\$ or US-5531583-\$ or US-3996323-\$ or US-3994646-\$). did. or (US-5522718-\$ or US-3981663-\$ or US-5573787-\$ or US-5494430-\$ or US-5560941-\$ or US-5525289-\$ or US-5531585-\$ or US-5511964-\$ or US-5516482-\$ or US-3892514-\$ or US-5510071-\$ or US-5489201-\$ or US-5405569-\$ or US-5456589-\$ or US-5449487-\$ or US-5383998-\$ or US-5372774-\$ or US-3776679-\$ or US-5330699-\$ or US-5320797-\$ or US-5393211-\$ or US-5346384-\$ or US-5257924-\$ or US-5141427-\$ or US-5023029-\$ or US-5002478-\$ or US-5059109-\$). did. or (US-4952362-\$ or US-5018959-\$ or US-4873048-\$ or US-4867928-\$ or US-4865797-\$ or US-4900503-\$ or US-4787598-\$ or US-4789322-\$ or US-4721594-\$ or US-4710337-\$ or US-4681526-\$ or US-4674969-\$ or US-4663107-\$ or US-4718844-\$ or US-4555230-\$ or US-4509911-\$ or US-4504206-\$ or US-4492551-\$ or US-4510013-\$ or US-4255107-\$ or US-4439130-\$ or US-4319872-\$ or US-4305703-\$ or US-4226580-\$ or US-4199314-\$ or US-4136143-\$ or US-4021178-\$). did. or (US-3998579-\$ or US-3891007-\$).did.	USPAT	OR	OFF	2006/06/21 17:41
S46	524918	oil	USPAT	OR	OFF	2006/06/21 17:41
S47	556258	oil	USPAT	OR	ON	2006/06/21 17:41
S48	5	S45 and S47	USPAT	OR	ON	2006/06/21 17:44
S49	15751	friction with plastic	USPAT	OR	ON	2006/06/21 17:44
S50	1	S45 and S49	USPAT	OR	ON	2006/06/21 17:45
S51	90	oil adj inclusion	USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/21 17:52

## EAST Search History

S52	14	plastic with oil with inclusions	USPAT	OR	ON	2006/06/21 17:53
S53	18	("3541011"   "3547819"   "3729415"   "3779918"   "3883464"   "3985661"   "4041002"   "4111886"   "4448700"   "4787991"   "4829093"   "4915856"   "5049606"   "5079287").PN. OR ("5435925").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/21 17:56
S54	38	("2543741"   "3175972"   "3325405"   "3541011"   "3547819"   "3652414"   "3729415"   "3745148"   "3795493"   "3803037"   "4146487"   "4204968"   "4216032"   "4239632"   "4626365"   "4663060").PN. OR ("4915856").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/21 18:11
S55	11	wear and S45	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/21 18:11
S56	5	("4492551"   "5582849"   "5744091"   "6206670").PN. OR ("6457965").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/21 18:42
S57	4	("3981663"   "4492551"   "5257924").PN. OR ("6149421").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/21 18:58
S58	23	\$friction\$ and S45	USPAT	OR	OFF	2006/06/21 19:31
S59	6	lubricat\$4 and S45	USPAT	OR	OFF	2006/06/21 19:37
S60	176787	plastic adj material	USPAT	OR	OFF	2006/06/21 19:37
S61	28	S45 and S60	USPAT	OR	OFF	2006/06/21 19:48
S62	376	low with wear with plastic with material	USPAT	OR	OFF	2006/06/21 19:48
S63	3040	low adj wear	USPAT	OR	OFF	2006/06/21 19:49
S64	32	S60 with S63	USPAT	OR	OFF	2006/06/21 20:19
S65	1823	S60 with wear	USPAT	OR	OFF	2006/06/21 20:19
S66	65885	"425".clas.	USPAT	OR	OFF	2006/06/21 20:19
S67	48	S65 and S66	USPAT	OR	OFF	2006/06/21 20:27
S68	40335	wear adj resist\$5	USPAT	OR	OFF	2006/06/21 20:27
S69	1	S45 and S68	USPAT	OR	OFF	2006/06/21 20:27